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comprises a conductor and an insulation system surrounding the conductor including at least one semiconducting layer [comprising] forming an equipotential surface around the conductor and [also including] a solid insulation layer.

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2. (Twice Amended) [A] The plant as claimed in claim 1, wherein at least one of the layers and the solid insulation form a monolithic structure having [has] substantially the same coefficient of thermal expansion [as the solid insulation].

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3. (Twice Amended) [A] The plant as claimed in claim 1, wherein the winding comprises [insulation is built up of] a high voltage cable [intended for high voltage and comprising at least one current-carrying conductor surrounded by at least one semiconducting layer with intermediate insulating layer of solid insulation].

4. (Twice Amended) [A] The plant as claimed in claim 3, wherein [an] the at least one semiconducting layer comprises an inner[most] semiconducting layer is in electrical contact with and at substantially the same potential as the conductor.

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6. (Twice Amended) [A] The plant as claimed in claim [5] 1, wherein said at least one semiconducting layer [comprising] comprises an outer semiconducting layer connected to a selected potential.

7. (Twice Amended), line 1, delete "A" insert --The--.

8. (Twice Amended) [A] The plant as claimed in claim 3, wherein at least two of said layers form a monolithic structure and have substantially the same coefficient of thermal expansion.

9. (Twice Amended) [A] The plant as claimed in claim 3, wherein the current carrying conductor comprises a plurality of insulated conductive strands, [only a few of the strands being] and a lesser plurality of uninsulated conductive strands [from each other].

10. (Twice Amended) [A] The plant as claimed in claim 1, wherein the winding comprises a cable [comprising] and the conductive core includes one or more current-carrying conductors, each conductor including a number of conductive strands, the at least one semiconducting layer includes an inner and outer semiconducting layer being arranged around each conductor, and an insulating layer of solid insulation being arranged [around] between the inner semiconducting layer and [an] the outer semiconducting layer [being arranged around the insulating layer].

11 (Twice Amended), line 1, delete "A" insert --The--.

12. (Twice Amended) [A] The plant as claimed in claim 1, wherein the machine has a magnetic circuit including a cooled stator operative at earth potential.

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13. (Twice Amended) [A] The plant as claimed in claim [12] 1, wherein the magnetic circuit of the electric machine comprises a stator having a central axis and at least one slot and a stator winding located in [a] the slot, said slot having a number of cylindrical openings each having a central axis parallel with the central axis of the stator and being disposed in the slot [running axially and] radially adjacent [outside] each other, each cylindrical opening having a substantially circular cross section and being separated by narrow waist parts therebetween [the cylindrical openings].

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14 (Twice Amended) [A] The plant as claimed in claim 13, wherein the stator winding has three phases and the phases of [the] said stator winding are Y-connected.

15 (Twice Amended) [A] The plant as claimed in claim 14, wherein the stator winding includes a Y-point [of the stator winding is] insulated from earth potential or connected to earth potential via a high-ohmic impedance and protected from over-voltages by means of surge arresters.

16 (Twice Amended), line 1, delete "A" insert --The--.

17 (Twice Amended), line 1, delete "A" insert --The--.

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18. (Twice Amended) [A] The plant as claimed in claim 15 [14], including a high voltage side and wherein the cable has a gradually decreasing insulation seen from the high-voltage side towards the Y-point.

19 (Twice Amended), line 1, delete "A" insert --The--.

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20. (Twice Amended) [A] The plant as claimed in claim 13, wherein generator has a rotor and the stator includes a yoke and the circular cross section of the substantially cylindrical [slots] openings for the stator winding has decreasing radius seen from the yoke portion towards the rotor.

21. (Twice Amended) [A] The plant as claimed in claim 12, wherein the electrical generator includes a rotor [rotating part has an inertia and electromotive force].

22 (Twice Amended), line 1, delete "A" insert --The--.

23 (Twice Amended), line 1, delete "A" insert --The--.

24. (Twice Amended), line 1, delete "A" insert --The--.

25. (Twice Amended), line 1, delete "A" insert --The--.

26. (Twice Amended), line 1, delete "A" insert --The--.

27. (Twice Amended), line 1, delete "A" insert --The--.

28 (Twice Amended), line 1, delete "A" insert --The--.

29 (Twice Amended), line 1, delete "A" insert --The--.

30. (Twice Amended), line 1, delete "A" insert --The--.

31. (Twice Amended), line 1, delete "A" insert --The--.

32. (Twice Amended), line 1, delete "A" insert --The--.

33. (Twice Amended), line 1, delete "A" insert --The--.

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34. (Twice Amended) [A] The plant as claimed in claim 1, wherein the winding of the machine is arranged for self-regulating field control [and lacks auxiliary means for control of the field].

35 (Twice Amended), line 1, delete "A" insert --The--.

37 (Twice Amended) line 1, delete "A" insert --The--.

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39 (Amended) A synchronous compensator plant including a rotating high voltage electric machine comprising a stator; a rotor and a winding, wherein said winding comprises a cable including at least one current-carrying conductor including a plurality of insulated strands and a lesser plurality of uninsulated strands and a magnetically permeable, electric field confining cover surrounding the conductor in electrical contact with the uninsulated strands, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.

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40. (Amended) The synchronous compensator plant of claim 39, wherein the cover comprises an insulating layer surrounding the conductor and an outer layer surrounding the insulating layer, said outer layer having a conductivity for ~~[sufficient to] establishing an equipotential surface around the conductor.~~

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43. The synchronous compensator plant of claim 39, wherein the cover is formed of a plurality of layers including an insulating layer and wherein said plurality of layers are joined together to form a monolithic structure and being substantially void free.